

20011021.qrp v02_n349.qrl.20011021

Date: Sun, 21 Oct 2001 19:03:09 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 2349

QRP-L Digest 2349

Topics covered in this issue include:

- 1) [109144] Re: DX with Mediocre Antenna
by Rick McKee <kc8aon@juno.com>
- 2) [109145] Re: DX with Mediocre Antenna
by Steve Yates - AA5TB <aa5tb@arrl.net>
- 3) [109146] WTB: OHR SCAF Filter
by "NZ8J" <timcook@erinet.com>
- 4) [109147] Batteries in a Yaseu FT-817
by "Karl F. Larsen" <k5di@zianet.com>
- 5) [109148] Fw: Klog
by "Walt Amos" <k8cv@netzero.net>
- 6) [109149] QRP RIGS FOR SALE
by Earl Murphy <earlmurf@telusplanet.net>
- 7) [109150] Garmin GPS: Trade for QRP
by Jack WsixABC <w6abc@yahoo.com>
- 8) [109151] Question for Pacificaon Attendees
by "Rod N0RC" <rod@n0rc.com>
- 9) [109152] Re: new property seems antenna unfriendly
by <muglesto@ecentral.com>
- 10) [109153] Four-Band K1 Excitement
by "Bruce Prior" <n7rr@hotmail.com>
- 11) [109154] Appalachian Trail in PA Activation
by "Ron Polityka" <wb3aal@fast.net>
- 12) [109155] Test - Don't bother to open
by Slqghp@aol.com
- 13) [109156] Re: Batteries in a Yaseu FT-817
by Dave Gingrich <gingrich2@dcg.org>
- 14) [109157] Re: DX with Mediocre Antenna
by Bruce Muscolino <w6toy@erols.com>
- 15) [109158] Re: DX with Mediocre Antenna
by Bruce Muscolino <w6toy@erols.com>
- 16) [109159] Question on TiCK-4 Keyer
by KF4YYD@aol.com
- 17) [109160] Re: new property seems antenna unfriendly
by "bob baxter" <rbaxter@cybertrails.com>
- 18) [109161] FOR SALE: SHACK CLEANING
by AC6JA@aol.com
- 19) [109162] RE: Appalachian Trail in PA Activation

- by "David Bixler" <qrp@netins.net>
- 20) [109163] Re: Question on TiCK-4 Keyer
by "John J. McDonough" <wb8rcr@arrl.net>
- 21) [109164] 4-band K1: Q & A
by Wayne Burdick <n6kr@elecraft.com>
- 22) [109165] Alpha Delta Antenna
by "Kevin Nathan" <k7rx@earthlink.net>
- 23) [109166] 10 meter vertical suggestion
by "Mike Duke, K5XU" <mikeduke@netdoor.com>
- 24) [109167] WB3AAL on the trail
by "David Porter" <aa3ur@home.com>
- 25) [109168] Re: AT Alert- PA update
by "Dave Benson" <nn1g@earthlink.net>
- 26) [109169] Re: AT Alert- PA update
by N0tk@aol.com
- 27) [109170] Re: Batteries in a Yaseu FT-817
by "Karl F. Larsen" <k5di@zianet.com>
- 28) [109171] Re: QRP RIGS FOR SALE
by Bruce Rattray <rattray@gpfn.sk.ca>
- 29) [109172] Improving Wabler Rx sensitivity
by "Steven Weber" <kd1jv@moose.ncia.net>
- 30) [109173] Electrically short antenna
by "Karl F. Larsen" <k5di@zianet.com>
- 31) [109174] The Healthkit Shop
by Roger J Wendell <zeekzilch@juno.com>
- 32) [109175] Dollar Store Treasure
by "ZOOM" <kandrparker@sympatico.ca>
- 33) [109176] RGSB 10/15 Test
by Tim Pettibone <k5oi@cowboy.net>
- 34) [109177] Re: Electrically short antenna
by "George, W5YR" <w5yr@att.net>
- 35) [109178] Cheap Cabnits for Projects
by Ke9xq@aol.com
- 36) [109179] Re: Improving Wabler Rx sensitivity
by "Bill, N4QA" <n4qa@hotmail.com>
- 37) [109180] CODE PRACTICE
by Wayne Rogers <w5kdj@juno.com>
- 38) [109181] Ten Tec Scout Question
by "T.E. 'Doc' Drake - W5TB" <w5tb@arrl.net>
- 39) [109182] FW: Geomagnetic Activity Alert
by "Ed Tanton" <n4xy@att.net>
- 40) [109183] Re: Dollar Store Treasure
by "Mike Yetsko" <myetsko@insydesw.com>
- 41) [109184] OT: Macintosh license software
by "Tom Scott" <tomrscott@sterlink.net>
- 42) [109185] Re: DX with Mediocre Antenna
by "Jim Stamper" <jstamper@shentel.net>
- 43) [109186] Working with vaccum tubes

- by Shawn Upton <kb1ckt@yahoo.com>
- 44) [109187] Re: Dollar Store Treasure
by "Jim Stamper" <jstamper@shentel.net>
- 45) [109188] Re: Improving Wabler Rx sensitivity
by n5ib@juno.com
- 46) [109189] Re: Question on TiCK-4 Keyer
by Rick McKee <kc8aon@juno.com>
- 47) [109190] Re: Electrically short antenna
by Tom Popovic <ki3r@yahoo.com>
- 48) [109191] Re: Working with vaccum tubes
by "carl seyersdahl" <carlseye@tampabay.rr.com>
- 49) [109192] Re: Electrically short antenna
by William R Colbert <w5xe@juno.com>
- 50) [109193] Re: Working with vaccum tubes
by "carl seyersdahl" <carlseye@tampabay.rr.com>
- 51) [109194] Help finding a date
by "Brice D. Hornback" <bdh@cyberbound.net>

Date: Sat, 20 Oct 2001 20:39:10 -0400
From: Rick McKee <kc8aon@juno.com>
To: jstamper@shentel.net, qrp-l@Lehigh.EDU
Subject: [109144] Re: DX with Mediocre Antenna
Message-ID: <20011020.203936.11214.11.kc8aon@juno.com>

WOW ! I DIDN'T KNOW QST WAS AROUND IN 1885 !

SNICKER.....
73.....KC8AON

On Sat, 20 Oct 2001 17:36:56 -0400 "Jim Stamper" <jstamper@shentel.net>
writes:

>Bruce Muscolino <w6toy@erols.com> wrote:

>

>It satisfied my needs! I wrote up a description
>of the antenna in QST for June 1885,

>-----

>

>Now that's what they call an OT!

>

>

>-jim

>

>James H. Stamper

>519 Park Avenue

>Woodstock, VA 22664

>540-459-8350

>

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Date: Sat, 20 Oct 2001 20:22:10 -0500

From: Steve Yates - AA5TB <aa5tb@arrl.net>

To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [109145] Re: DX with Mediocre Antenna

Message-ID: <000b01c159ce\$cf7d1260\$83713ed8@pavilion>

MIME-version: 1.0

Content-type: text/plain; charset=iso-8859-1

Content-transfer-encoding: 7BIT

That's nice Bruce. We all know that you have done it all and know it all. No need to remind us.

And we've told you a million times not to exaggerate - QST wasn't even around in 1885!

I was not trying to say that it's never been done before and it wasn't my first experience either.

It was just a QRP story with a QRP topic for a QRP list <PERIOD>

73,

Steve Yates - AA5TB

Fort Worth, TX - EM12gs

<http://www.geocities.com/aa5tb>

aa5tb@arrl.net

----- Original Message -----

From: "Bruce Muscolino" <w6toy@erols.com>

..."I have related the story of my condo antenna too many times on this list for you not to understand that it is what you make of it, not what you make it of!"...

..."I wrote up a description of the antenna in QST for June 1885,"...

Date: Sat, 20 Oct 2001 21:55:03 -0400
From: "NZ8J" <timcook@erinet.com>
To: <qrp-l@Lehigh.EDU>
Subject: [109146] WTB: OHR SCAF Filter
Message-ID: <013101c159d3\$672c1bc0\$6122fea9@nec>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Please send details, price, condition, etc...
Thanks
Tim
NZ8J

Date: Sat, 20 Oct 2001 20:20:55 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: <qrp-l@lehigh.edu>
Subject: [109147] Batteries in a Yaseu FT-817
Message-ID: <Pine.LNX.4.33.0110202017470.3011-100000@cannac.fun>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I once tried to get AA batteries into the rig without reading the book. Today I tried it after reading the book and it worked out fine. It's nice to have the radio come up any time you want it. But I expect a short life so I don't use it much...:-)

--
Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
 <http://www.qsl.net/k5di/>

Date: Sat, 20 Oct 2001 11:49:51 -0400
From: "Walt Amos" <k8cv@netzero.net>
To: "List Qrp-l" <qrp-l@lehigh.edu>
Subject: [109148] Fw: Klog

Message-ID: <000001c159d7\$d9ccc180\$5fd43604@waltamos>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Nice log at

<http://www.winlog.co.uk>

For the down load add to the back

dl_wl32.htm

But all that information is on the sight.

Walt K8CV Royal Oak, MI

----- Original Message -----

From: "Pastor-KC1DI" <elbc@pivot.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Friday, October 19, 2001 7:36 PM
Subject: Klog

> Anyone using Klog as their computer logging program if so how did you down
> Load it.
>
> thanks for The BW ,
> 73 dave kc1di
>
>
>
> ---
> Outgoing mail is certified Virus Free.
> Checked by AVG anti-virus system (<http://www.grisoft.com>).
> Version: 6.0.286 / Virus Database: 152 - Release Date: 10/9/01
>
>

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Date: Sat, 20 Oct 2001 20:32:59 -0600

From: Earl Murphy <earlmurf@telusplanet.net>
To: QRP-L <qrp-l@lehigh.edu>, QRP-CANADA <qrp-canada@neale.gpfn.sk.ca>
Subject: [109149] QRP RIGS FOR SALE
Message-ID: <3BD233DB.58BD4E00@telusplanet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

---Heathkit HW-9 (all bands) c/w PSA-9 power supply, No mods, Mint,
package only...\$300 US

---Small Wonder Labs (White Mountain) WM-20, 20 Meter uss phone, c/w
Stainless Steel custom case, Blue Sky digital freq. read-out as well as
cw read-out, internal speaker, and RS microphone. \$130 US

---Small Wonder Labs (Green Mountain) GM-40, 40 Meter CW, c/w black
custom case, Blue Sky digital freq. read-out, internal speaker, 10 turn
pot, and RIT. \$125 US

---Small Wonder Labs (Green Mountain) GM-20, 20 Meter CW, c/w black
custom case, Blue Sky digital freq. read-out, internal speaker, 10 turn
pot, and RIT \$125 US

---Norcal NC-20, 20 Meter CW, Stainlees Steel custom case, Blue Sky
digital freq. read-out, internal speaker, Tick keyer, CW annunciator,
RIT, 10 turn pot \$130 US

---Add Shipping to above units (aprox \$8.00/ unit)

---Pictures available, via internet if you are interested....

73/72.....Earl (VA6RF)

Date: Sat, 20 Oct 2001 19:37:59 -0700 (PDT)
From: Jack WsixABC <w6abc@yahoo.com>
To: qrp-l@Lehigh.EDU
Subject: [109150] Garmin GPS: Trade for QRP
Message-ID: <20011021023759.23637.qmail@web14203.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Hi,
Have an item that someone might enjoy having. I made
an impulse buy (only a week ago) of a really great
Garmin Etrex Vista GPS unit that really isn't for me.

I wonder if anyone has any QRP gear that values around \$349 (price for this unit before tax) that they might like to swap? Info on this GPS is found at:

<http://www.garmin.com/products/etrexVista/>

This unit does everything including compass direction at standstill and altitude as well as having a US basemap standard. Just thought I'd toss it out before going to Ebay or the swaplists.

72,
Jack

=====

Website: <http://home.pacbell.net/friday2k>

QRP-L #2193 SOC#165 K2#1272 K1#37

Do You Yahoo!?

Make a great connection at Yahoo! Personals.

<http://personals.yahoo.com>

Date: Sat, 20 Oct 2001 21:00:53 -0600

From: "Rod N0RC" <rod@n0rc.com>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [109151] Question for Pacificaon Attendees

Message-ID: <002901c159dc\$9953d5d0\$6401a8c0@c919125b>

MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Folks,

Did you see the new DSW+ that Dave was supposed to introduce at Pacificon? (Well I'm guessing he was going to introduce it, since it was mentioned as a door prize) Sure would like to hear more about it.

73, Rod N0RC
Ft Collins, CO

Date: Sat, 20 Oct 2001 17:04:51 -0600 (MDT)

From: <muglesto@ecentral.com>

To: Bill Coleman <aa4lr@arrl.net>

Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [109152] Re: new property seems antenna unfriendly
Message-ID: <Pine.LNX.4.33.0110201659400.892-1000000@mugleston.mugs.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Been reading the posts on this one and I remembered something I saw one day. This guy had a loop in his back 40. No trees so he supported it about 10 feet above the ground by using PVC pipe standing straight up with PVC T's on the top. The wire was ran through the T's around his property.

I'm not sure how he stood the PVC pipe straight up but some ideas would be to pound a stake into the ground and slip the PVC over the top or just dig a hole and put the PVC in the ground. The hardest problem would be finding some PVC that would stand straight up year round -the thin stuff eventually curves in the heat of the sun.

--

Brad Mugleston, KI00T
Aurora, Arapahoe Cty, Colorado
DM79oq 39.692500N 104.802600W
CQC #170, QRP-L #316, NorCal #2934

Date: Sun, 21 Oct 2001 04:07:27
From: "Bruce Prior" <n7rr@hotmail.com>
To: unlisted-recipients;; (no To-header on input)
Subject: [109153] Four-Band K1 Excitement
Message-ID: <F116sQHETNg0ETuvTm700002cd9@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

To say that I'm excited about the KFL1-4 four-band module for the Elecraft K1 is an understatement. I was thrilled to be part of the field test group. Now that the K1 can be a four-band rig, or even a six-bander with just one board swap, it belongs in a different league. I think a number of current K1 owners who haven't built the KAT1 internal automatic antenna tuner will now go for that option. With four bands to play with, the ATU will really come into its own. The 4-band K1 is now front and center in my shack. Part of the reason, by the way, is because of the wide-range tilt stand (KTS1). Its tall configuration makes it much more convenient to use in a camping situation, but on a desk at home or a motel, the short configuration of the KTS1 is really snazzy.

Notice that even though the K1 is a very small radio, its front controls are well spaced, so that it's easy to operate even with gloved hands. I assumed that the 4-band KFL1-4 would be a much higher density board, and therefore it would be more difficult to build than the KFL1. Not true. Wayne Burdick has managed to keep the parts count down, so the resulting board still has components spaced out enough so that the K1-4 is still a fine beginner's project.

One strategy that Wayne used (which I'm sure he could explain better than I) was to aggregate the four bands into two groups. The lower pair -- 40 and 30 meters in the standard configuration -- share a premix band-pass filter transformer and an RF band-pass filter transformer as well as a low-pass filter. The higher pair -- 20 and 17 meters or 20 and 15 meters in the standard kit -- share another set of transformers and a band-pass filter. Additionally, the trimmer capacitors in the premix and RF filter circuits are also, in a sense, shared. The 40-m circuits "borrow" capacitance from the 30-m circuits and the 20-m circuits "borrow" capacitance from the 17-m or 15-m circuits. The wonderfully explicit instructions in Wayne's "cookbook" guide the builder through the process of adjusting those 16 trimmers in the proper order. The end result is a 4-band module that is quite easy to build. It's all made possible by eight amazingly small latching relays which obey Wayne's logic to sort this all out when you switch through the four bands.

It's because of this component sharing, as well as administrative practicality, that the KFL1-4 comes in a standard band configuration. The kit arrives with crystals for five bands. 40-m, 30-m and 20-m are standard.

You get to choose either 17-m or 15-m for the highest band. That's the situation as I write this. As I understand it, Elecraft has found that its K1 customers have tended to favor 40-m, 20-m and 15-m when they've ordered band components for the 2-band K1. 80-m and 30-m and 17-m are lower on the list. Because of the component sharing scheme, any two adjacent amateur bands between 40-m and 15-m can be paired on the KFL1-4, as well as 20-m and 15-m. However, the frequency ratio between the CW portions of the 80-m and 40-m bands is too high to allow those two bands to share resonant circuits. It is, however, electronically possible to install 80-m on the KFL1-4 board, but in that case you'll end up with a module which covers three rather than four bands. Here is a list of electronically-practical band combinations for the KFL1-4 using the crystals which are currently available from Elecraft. Note that only the first two combinations are recommended for KFL1-4 kit which is being offered currently:

- 40-m, 30-m, 20-m, 17-m
- 40-m, 30-m, 20-m, 15-m
- 30-m, 20-m, 17-m, 15-m
- 80-m, 40-m, 30-m
- 80-m, 30-m, 20-m
- 80-m, 20-m, 17-m

80-m, 20-m, 15-m
80-m, 17-m, 15-m

For the field test I built the 40-m, 30-m, 20-m, 15-m combination. I'm planning to convert my 80-m/40-m KFL1 board to 80-m/17-m. I'll use the 4-band K1 most of the time at home, and the 2-band one more in the field, where I'll be wanting to routinely check into CW traffic nets to keep in touch with family. Since I've installed the KAT1, I'll also take the extra board along. For backpacking I'm planning to use one antenna for all six bands, to cut down on backpack weight and to keep daily antenna-launching simple. We'll see how that works out. I've found a 12-oz. (355 mL) Rubbermaid "servin' saver" container which holds the extra band module nicely. My K1 routinely travels in a similar 10-cups (2.4 L) Rubbermaid container.

72, Bruce Prior N7RR in Blaine, WA

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Date: Sun, 21 Oct 2001 07:10:14 -0400
From: "Ron Polityka" <wb3aal@fast.net>
To: ".Mtn-Top" <HamRadio_Mountaintopping@yahoogroups.com>,
".HF Pack" <hfpack@yahoogroups.com>,
Subject: [109154] Appalachian Trail in PA Activation
Message-ID: <004701c15a20\$f62bbf40\$463c5cd1@wb3aal>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello,

Ed, WA3WSJ and myself, WB3AAL plan on hiking three miles to Round Head on the Appalachian Trail in PA. We will be hiking by 14:00 UTC and we should be up on the air by 15:30 UTC. Look for us on the usual QRP frequencies + or - a few due to QRM. One of us will be on 40 meters and the other guy will be on the higher bands to give out QS0's to stations looking for the AT.

Ed will be using his K1 which is setup for 40 & 20 meters.
I, (Ron), will be using my K2 with the SSB installed, so if you would like a SSB QS0 from the AT ask me on CW first and I will jump over to SSB and make the QS0.

We are going to be up on the air for about 2 hours.

72 & 73
Good DXing

Ron Polityka
de WB3AAL
wb3aal@fast.net

vvv Eastern Pennsylvania QRP Web Page vvv
http://www.n3epa.org
Eastern Pennsylvania QRP Club Call
N3EPA E-mail address: n3epa@fast.net

EPA QRP #1	ARRL Life Member
KL7 QRP # 309	G-QRP # 3031
ARCI QRP # 5318	10 - X #13173
NorCal	ARS # 380
HI QRP #153	VA QRP Society #45
MI QRP #1703	K2 sn1392
NJ QRP #179	ARLHS #423

Date: Sun, 21 Oct 2001 07:25:22 EDT
From: Slqghp@aol.com
To: qrp-1@lehigh.edu
Subject: [109155] Test - Don't bother to open
Message-ID: <124.629b974.29040aa2@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Date: Sun, 21 Oct 2001 07:29:32 -0500
From: Dave Gingrich <gingrich2@dcg.org>
To: k5di@zianet.com
Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [109156] Re: Batteries in a Yaseu FT-817
Message-ID: <5.1.0.14.2.20011021072614.02ae7198@172.22.1.1>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 20:20 10/20/2001 -0600, Karl F. Larsen wrote:

> I once tried to get AA batteries into the rig without reading the
>book. Today I tried it after reading the book and it worked out fine. It's
>nice to have the radio come up any time you want it. But I expect a short
>life so I don't use it much...:-)

Short life? The batteries, the radio, or your own?

Where are you takin' it anyway? I know you like the rig, but the sacrifice
seems somewhat severe to me.

=====
Dave Gingrich, K9DC
Indianapolis, Indiana
Dave@dcg.org
=====

Date: Sun, 21 Oct 2001 08:31:49 -0400
From: Bruce Muscolino <w6toy@erols.com>
To: jstamper@shentel.net
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [109157] Re: DX with Mediocre Antenna
Message-ID: <3BD2C035.AB211610@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Well now, thank you for catching the typo. It should have said 1995.
However, since I have been licensed since 1956, I guess the OT part is
true. I ran QRP in 1957! Did you?

73

Date: Sun, 21 Oct 2001 08:39:13 -0400
From: Bruce Muscolino <w6toy@erols.com>
To: aa5tb@arrl.net
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [109158] Re: DX with Mediocre Antenna
Message-ID: <3BD2C1F1.C29B846A@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Steve,

Did I say your antenna was not a good idea? I only said that too many folks fail to see that their antenna must fit where they live. It's too bad that you think I was slamming you! I was not. I only related the old story to show that a "mediocre" antenna can indeed be made to work, just as you did! It is nothing special, it just takes some thought! Sorry I ruffled your thin skin.

I do apologize for the typo. My eyes are in bad shape at the moment.

73

Date: Sun, 21 Oct 2001 11:11:35 EDT
From: KF4YYD@aol.com
To: qrp-1@lehigh.edu
Subject: [109159] Question on TiCK-4 Keyer
Message-ID: <6b.1c5d35ed.29043fa7@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hello Again,

First thanks for the help on the ZM2, all that is left to do is make a cable to connect it to the rig and I can see if it works. Now it's time for another question, this time around it's related to the TiCK-EMB-4 keyer:

1. I built the keyer to use the piezo audio side tone, and according to step 15 of the construction manual (Rev 1.3) when I install the lithium battery I should here the letter "B" in Morse.

I'm not getting this output and am wondering if this indicates a possible dead battery? When I connect a 9 volt to the unit it sends the number 4, and if I hold the mode push button it sends in order the letters (S, T, A, & K), which leads me to believe it is wired properly. Also does anyone have the data sheet which describes what these 4 modes are? After sitting partially constructed for at least a year (probably closer to 1.5) and with my organizational skills I'm not surprised that I cannot locate it.

Thanks,
de Tom kf4yyd
Fredericksburg, VA

Date: Sun, 21 Oct 2001 08:47:17 -0700
From: "bob baxter" <rbaxter@cybertrails.com>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [109160] Re: new property seems antenna unfriendly
Message-ID: <007101c15a47\$ab5903c0\$f0142aa2@bobbaxte>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I once put up a loop like you describe. I drove thin wall steel pipe (about 2' long) in the ground and set 2" pvc pipes over it. All that's required to support it is one guy line on each pipe as the antenna wire provides the rest of the support. It stood for 2 years and only took it down because I moved. I'm still using 2 of the pipes, 10 years later, to support the ends of and inverted vee.

Bob Baxter AA7EQ
Bisbee, Az.

>
> Been reading the posts on this one and I remembered something I saw
one
> day. This guy had a loop in his back 40. No trees so he supported it
> about 10 feet above the ground by using PVC pipe standing straight up
with
> PVC T's on the top. The wire was ran through the T's around his
> property.
>
> I'm not sure how he stood the PVC pipe straight up but some ideas
would be
> to pound a stake into the ground and slip the PVC over the top or just
> dig a hole and put the PVC in the ground. The hardest problem would
be
> finding some PVC that would stand straight up year round -the thin
stuff
> eventually curves in the heat of the sun.
>
> --
> Brad Mugleston, KI00T
> Aurora, Arapahoe Cty, Colorado
> DM79oq 39.692500N 104.802600W
> CQC #170, QRP-L #316, NorCal #2934
>
>

Date: Sun, 21 Oct 2001 12:12:06 EDT
From: AC6JA@aol.com

To: qrp-1@lehigh.edu
Subject: [109161] FOR SALE: SHACK CLEANING
Message-ID: <6d.1c2217f3.29044dd6@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

I have the following for sale. All are in excellent working condition and look as new. All have the original boxes and manuals.

1. KENWOOD TH-D7A dual band ht with tnc, \$350.
2. ICOM IC-Q7A mini dual band ht with optional case and antenna, \$125.
3. KENWOOD TS-570S, hf/6m transceiver with optional SP-23 speaker, \$900.
4. ICOM T81A quad band ht, 6m,2m,440, and 1.2! optional case and antenna, \$250.
5. MIRAGE B-310-G 100w 2meter all-mode amplifier, \$150.
6. TEN TEC 1210 10m/2m transverter, \$125.
7. RADIO SHACK HTX-10 10m ssb/fm transceiver, \$100.
8. YAESU FT-100 160-440 transceiver, \$650.

Let me know if interested or have any questions.
Shipping is included in all items.

Thanks!

Mike AC6JA

Date: Sun, 21 Oct 2001 11:16:15 -0500
From: "David Bixler" <qrp@netins.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [109162] RE: Appalachian Trail in PA Activation
Message-ID: <DBEPKBJH00EAHCKKIHPFCEOECHAA.qrp@netins.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello Gang:

Ed and Ron are on the air at this time (16:10 UTC)

Look for Ed WA3WSJ on 14061.4
and Ron WB3AAL on 7041.5

72

David Bixler W0CH
Seneca, MO
Main Web Site: <http://www.qsl.net/w0ch>
Mirror Site: <http://showcase.netins.net/web/w0ch>

QRP: Little Radios, Big Fun!

Date: Sun, 21 Oct 2001 12:21:58 -0400
From: "John J. McDonough" <wb8rcr@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Cc: <KF4YYD@aol.com>
Subject: [109163] Re: Question on TiCK-4 Keyer
Message-ID: <001801c15a4c\$83e63100\$010044c0@baycty1.mi.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The correct response is 4. Each of these chips sends the version number on power up. The TiCK 2 sends a 2.

S - Speed
T - Tune
A - Admin
K - Keyer Mode

If you release the button after the A, next time you push it you will get

I - Input memory
P - Paddle select
A - Audio
SK - Straight Key
M - Mode (A/B)
B - Beacon

On the TiCK 4, if you release the button after the I, next time you will get an e or i for memory 1 or 2.

In most cases, releasing the button puts the keyer in a mode where you make a selection with the paddle.

S - dit decreases, dah increases
T - Keeps key down until you touch the paddle
P - hit the side you want to be dit
A - dit enables sidetone, dah disables
SK - either side toggles
M - dit = A, dah = B
B - toggles

Hope this helps

72/73 de WB8RCR <http://members.home.com/wb8rcr/index.htm>
didileydadidah QRP-L #1446 Code Warriors #35

----- Original Message -----

From: <KF4YYD@aol.com>

Subject: Question on TiCK-4 Keyer

> I'm not getting this output and am wondering if this indicates a
> possible dead battery? When I connect a 9 volt to the unit it sends the
> number 4, and if I hold the mode push button it sends in order the letters
> (S, T, A, & K), which leads me to believe it is wired properly. Also does
> anyone have the data sheet which describes what these 4 modes are? After
> sitting partially constructed for at least a year (probably closer to 1.5)
> and with my organizational skills I'm not surprised that I cannot locate
it.

Date: Sun, 21 Oct 2001 09:25:25 -0700
From: Wayne Burdick <n6kr@elecraft.com>
To: Elecraft <elecraft@qth.net>, qrp <qrp-1@lehigh.edu>
Subject: [109164] 4-band K1: Q & A
Message-ID: <3BD2F6EC.8A6C05AF@elecraft.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Thanks for all of your interest and comments about the new 4-band module for the K1. The answer to some frequently-asked questions appear below.

73,
Wayne, N6KR

* * *

Q: Do I need to specify bands when ordering the K1-4 or KFL1-4?

A: No. 40, 30, and 20 meters are standard, and the fourth band is determined by the builder at time of assembly. Pre-mix crystals for *both* 17 and 15 meters are supplied. (However, if you order a K1-2 or KFL1-2, you still do specify the bands as before.)

Q: Does the kit provide for both 10.0 and 10.1 MHz band edges on 30 meters?

A: Yes. We supply two pre-mix crystals for 30 meters. At time of assembly, you select the one that corresponds to your VFO tuning range.

Q: Is 80-meter coverage possible with the 4-band module?

A: While it may be possible, it would make the 4-band module a 3-band module, because there's no band close enough to 80 meters to share a low-pass filter. Also, the -3 dB bandwidth on 80 meters would be very small due to the very large capacitors required for the band-pass filters. The other two bands would have to be non-harmonically related and close together, e.g. 40/30, 30/20, etc. We don't plan to offer parts for 80 meters or other combinations, but as always, we encourage builders to experiment and share their results.

Q: What can I do with my 2-band modules if both bands are now covered by the 4-band module?

A: You could re-build the 2-band module to cover 80 meters and either 15 or 17 meters. Other possibilities include 160, 12, or 10 meters, although we don't offer parts for these bands and have not yet tested them, so you'll be on your own (we intend to test these and write an application note eventually). Then there's the proposed 5.2 MHz band, and other future bands. These bands will of course be "receive-only" until approved for general ham use. But who knows? If a large contingent of QRPers was poised and ready to operate on 5.2 and (for example) 12.0 MHz, perhaps another test license could be granted....this is purely speculation, but the possibilities are interesting.

Date: Sun, 21 Oct 2001 09:26:42 -0700
From: "Kevin Nathan" <k7rx@earthlink.net>
To: <qrp-1@lehigh.edu>

Subject: [109165] Alpha Delta Antenna
Message-ID: <002501c15a4d\$2bbef100\$6501a8c0@mindspring.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi All,

I am going to change the antenna I use for 80/40, etc. Currently, I have a G5RV up as an inverted vee with the apex at about 45 feet on a cross arm on my tower. However, this antenna doesn't seem to radiate well on 30 meters at all. It also doesn't radiate on 160 very well with the coax tied together at the shack. I haven't tried running a counterpoise yet on that band so I don't know if that would make the difference between being heard or not locally.

At any rate, I am looking at other possibilities. One antenna I see a lot about on the net is the Alpha Delta DX-A or the twin sloper. It looks like one leg of this antenna works on 80 and 160 while the other works on 40. While this wouldn't do much for the WARC bands, I would like to hear from you on the reflector if you have used this antenna and what you thought of it. I am thinking of putting up an 80 meter inverted vee fed with 300 ohm twin lead but I lose the ease of band hopping with a pretuned antenna when I do this and not even the tuner in my Icom will be useful in this configuration. So, I am looking for ideas.

I would appreciate any feedback you might have to give me and look forward to hearing from you. If you don't want to clutter the list with your replies to me, please reply privately.

Thanks and 72.
Kevin, K7RX

Date: Sun, 21 Oct 2001 11:48:29 -0500
From: "Mike Duke, K5XU" <mikeduke@netdoor.com>
To: "qrp" <qrp-1@lehigh.edu>
Subject: [109166] 10 meter vertical suggestion
Message-ID: <000901c15a50\$481c9200\$809789d0@k5xu>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I am planning some antenna work for my weekend hideout at my mother's house.

One thing that I'm considering is a vertical dedicated to 10 meters.

I know that some people like the Antron-99, and I have seen the claims that it also works reasonably through 17 meters with a tuner.

Before I throw money at any antenna, I would like to gather comparisons of the Antron Vs the Radio Shack equivalent, the Ringo, the basic 1/4 wave groundplane, etc.

Thanks

Mike Duke, President,
American Council of Blind Radio Amateurs

Date: Sun, 21 Oct 2001 12:47:09 -0400
From: "David Porter" <aa3ur@home.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [109167] WB3AAL on the trail
Message-ID: <00cb01c15a50\$0779f080\$927ba8c0@jamison1.pa.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I just bagged Ron squeezed between W1HVC and K1SWL.

Ron's doing a great job!

David Porter AA3UR
aa3ur@home.com

Date: Sun, 21 Oct 2001 12:37:29 -0700
From: "Dave Benson" <nn1g@earthlink.net>
To: <qrp-1@lehigh.edu>
Subject: [109168] Re: AT Alert- PA update
Message-ID: <000301c15a67\$eef43e40\$4ae5d73f@pavilion>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

gang-

Just worked Ron Polityka, WB3AAL, on 40M from his location on the Appalachian Trail near Pine Grove, PA. He's moving to 15 meters and looking for contacts there. Ed, WA3WSJ will continue to work 20 meters.

73- Dave, K1SWL

Date: Sun, 21 Oct 2001 13:09:35 EDT
From: N0tk@aol.com
To: nn1g@earthlink.net, qrp-1@lehigh.edu
Subject: [109169] Re: AT Alert- PA update
Message-ID: <159.2c997e3.29045b4f@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Just worked Ron WB3AAL on 15m cw. He is calling CQ on 21.060MHz
Dan N0TK
Highlands Ranch,CO

Date: Sun, 21 Oct 2001 11:15:58 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: Dave Gingrich <gingrich2@dcg.org>
Cc: <k5di@zianet.com>,
Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [109170] Re: Batteries in a Yaseu FT-817
Message-ID: <Pine.LNX.4.33.0110211115270.1807-100000@cannac.fun>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Battery life of course.

On Sun, 21 Oct 2001, Dave Gingrich wrote:

> At 20:20 10/20/2001 -0600, Karl F. Larsen wrote:
> > I once tried to get AA batteries into the rig without reading the
> >book. Today I tried it after reading the book and it worked out fine. It's
> >nice to have the radio come up any time you want it. But I expect a short
> >life so I don't use it much...:-)
>
> Short life? The batteries, the radio, or your own?

>
> Where are you takin' it anyway? I know you like the rig, but the sacrifice
> seems somewhat severe to me.
>
> =====
> Dave Gingrich, K9DC
> Indianapolis, Indiana
> Dave@dcg.org
> =====
>
>

--

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
http://www.qsl.net/k5di/

Date: Sun, 21 Oct 2001 11:21:19 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: Earl Murphy <earlmurf@telusplanet.net>
Cc: QRP-Canada <qrp-canada@neale.gpfn.sk.ca>,
Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [109171] Re: QRP RIGS FOR SALE
Message-ID: <Pine.LNX.4.33.0110211117560.15036-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Just an observation folks about these rigs...I have seen them at Earl's
qth and believe me they are all in EXCELLENT condition...not only is Earl
an expert at assembling these rigs but he's a craftsman when it comes to
the chassis....you can bet that all of them are working and looking
100%...

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - QRP Borg#1 - Whiner#10 -
- VE5QRP SOC#11 - VE5RC SOC#12 - oo#148 - K2#2032 -
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

Date: Sun, 21 Oct 2001 12:53:10 +0000
From: "Steven Weber" <kd1jv@moose.ncia.net>

To: qrp-1@lehigh.edu
Subject: [109172] Improving Wabler Rx sensitivity
Message-ID: <200110211722.f9LHMec14354@wolf.ncia.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

The "stock" Wablers' tend to be a little *deaf* on receive. I'm sure they were designed this way so summer time QRN on 80 wouldn't drive them too nuts. But in the winter when the noise is much less, greater sensitivity would be a big help.

A simple way to greatly improve the Rx sensitivity is to tack a .001 upd cap across R17, the RF preamp emitter resistor. If you want to get fancy, you could use a toggle switch to switch the cap in and out, depending if you need the extra gain or not. Switch the ground side of the cap, and keep the leads short.

72,
Steve, KD1JV in the White Mountains of New Hampshire
"Melt Solder"
<http://www.qsl.net/kd1jv/index.html>

Date: Sun, 21 Oct 2001 11:35:24 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: <qrp-1@lehigh.edu>
Subject: [109173] Electrically short antenna
Message-ID: <Pine.LNX.4.33.0110211127010.1807-100000@cannac.fun>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I have not heard a wire much shorter than a 1/2 wavelength on 80 meters work very well. My experience with the W3FF antenna on 20 meters which is very good is with an antenna only 50% as long as a 1/2 wave dipole.

Has anyone tried a wire 60+ feet long with inductors each side of the center that make it resonant on 80 meters? How did/does it work? I would like any information you have on this specific subject.

Many Hams can get up 60 feet of wire. But 130 feet is just out of the question.

--

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
<http://www.qsl.net/k5di/>

Date: Sun, 21 Oct 2001 12:12:34 -0600
From: Roger J Wendell <zeekzilch@juno.com>
To: cqclist@egroups.com, qrp-1@Lehigh.EDU
Subject: [109174] The Healthkit Shop
Message-ID: <20011021.121237.-584449.1.zeekzilch@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

I was just looking over WB8VGE's "Healthkit Shop" and noticed he even has
HW-8 manuals!

<http://www.theheathkitshop.com/>

Roger
WB0JNR
<http://www.AppropriateTechnology.info>

-

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<http://dl.www.juno.com/get/web/>.

Date: Sun, 21 Oct 2001 05:34:27 -0400
From: "ZOOM" <kandrparker@sympatico.ca>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [109175] Dollar Store Treasure
Message-ID: <007601c15a13\$94403980\$3294fea9@robertpa>

MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

When building QRP related items it's nice to do it as cost effective as possible with getting nice homebrew results.
Today i was looking for a project case and the RS store wanted more than I was willing to spend on a suitable project case. In fact the price was half of what it cost me to build the project. So while walking through my local dollar store I saw these small luch containers in three sizes. The lids snap on very well and there is an O-Ring that makes them water tight. Best of all \$1.00 + Tax each!!!
I'm impressed with the quality of the plastic (similar to the plastic in real good plastic pails) In fact the lid mechanism works super.

For your next project, look for these and save yourself allot of money on your next project or even as a watertight parts container.

I hope you find this helpful.
See link attached.
<http://valveman.tripod.ca/ProjectCase.jpg>

Cheers,
Robert
VE3RPF

Date: Sun, 21 Oct 2001 13:41:03 -0500
From: Tim Pettibone <k5oi@cowboy.net>
To: qrp-l@lehigh.edu
Subject: [109176] RGSB 10/15 Test
Message-ID: <5.1.0.14.0.20011021133514.009e8af0@cowboy.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Wow - worked 10 G stations this afternoon. The RGSB 10/15 meter contest was on and thought I'd try my inside antenna. Used a 8' 6" wire off the back of the K2 and a couple of 8' 6" counterpoise wires on the floor of the shack. 4.9 watts out. Got a report (599 surprise!) from every station I called. Don't know if any were QRP but they have G-QRP and other-QRP categories. Think I'll submit my measley log! I have a total of 19 G stations since 1991 (including operations from Alaska and New Mexico) so 10 in one day is pretty good for me. Test is over in about 20 minutes.

Tim K5OI

Stillwater, OK (home of the OSU Cowboys who are now 2/5 and 0/4 in the Big 12 - go Cowboys!)

Date: Sun, 21 Oct 2001 13:47:13 -0500
From: "George, W5YR" <w5yr@att.net>
To: k5di@zianet.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [109177] Re: Electrically short antenna
Message-ID: <3BD31831.E9C1A414@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I use two 88 ft 20-meter extended double zepp antennas (at right angles), each fed with ladderline. Loading and performance on 80 - 10 is excellent. Of course, 20 is best since that is the design band where a 3 db gain is provided. Some gain is provided on 40 and up. The pattern remains that of a dipole until 10 meters where it becomes four-lobed with each lobe presenting more gain than the lobe of a 10-meter dipole.

The length of 88 ft is about 2/3 the length of an 80-meter dipole, which is well above the conventional-wisdom minimum length of 3/8 wavelength for fairly efficient radiation.

I believe that LB - W4RNL - has quite a bit to say about 88 ft antennas on his web pages.

72/73, George W5YR - the Yellow Rose of Texas QRP-L 1373 NETXQRP 6
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe SOC 262
Amateur Radio W5YR, in the 56th year and it just keeps getting better!
Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437

"Karl F. Larsen" wrote:

>

> I have not heard a wire much shorter than a 1/2 wavelength on 80
> meters work very well. My experiance with the W3FF antenna on 20 meters
> which is very good is with an antenna only 50% as long as a 1/2 wave
> dipole.

>

> Has anyone tried a wire 60+ feet long with inductors each side of
> the center that make it resonant on 80 meters? How did/does it work? I
> would like any information you have on this specific subject.

>
> Many Hams can get up 60 feet of wire. But 130 feet is just out of
> the question.

Date: Sun, 21 Oct 2001 15:29:00 EDT
From: Ke9xq@aol.com
To: qrp-1@lehigh.edu
Subject: [109178] Cheap Cabnits for Projects
Message-ID: <3e.13340f90.29047bfc@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Greetings

This Dollar Store post, reminded me of a post I've wanted to make for a few months now, and prompted me on, so, here I am. :)

I've been saving these small candy and cookie containers that will be found lurking at the Salvation Army and Good Will Stores. These can be picked up from any price from . 50 cents to 1.99, and they do double duty. They store lots of goodies, and then when needed, can make a fairly decent cabinet. I know meter cases and scanner/CBs, etc., have been used all along, but these little cases from smaller than altoids to larger than lunch boxes should fit all different needs. Hope this helped someone too.

73 72

Bill KE9XQ

Date: Sun, 21 Oct 2001 15:33:57 -0400
From: "Bill, N4QA" <n4qa@hotmail.com>
To: qrp-1@Lehigh.EDU
Subject: [109179] Re: Improving Warbler Rx sensitivity
Message-ID: <F123cQIx8gu7b2tk20000f486@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Hi, Steve and group.

Back in January of this year (2001), upon finishing construction of my then-new Warbler, I immediately noticed the Warbler's lack of receive sensitivity and I commented on this reflector about it as did several others.

One of our Canadian friends (I always forget the gentleman's name and call) suggested to me the cap across R17 trick.

With a little experimentation, I wound up using a cheap 2.2 nanoFarad (aka

0.0022 microFarad, aka 2200 picoFarad) ceramic disc. So far, I have done this mod on two Warblers, with a third still in need of it.

The Warbler's receiver is red-hot after this modification and I have intended to add an rf attenuator pot in the front-end but haven't gotten that darned 'round-tuit' yet :).

So far, I just use the Windows audio input control to allow for day/nighttime conditions, large/small sigs etc, but I AM gonna add that pot, dag-nabbit! Some signals are just too big...you know...those 50 watt-ones or that great big one in Newington etc :)

Love my Warbler!

73.

Bill, N4QA

Get your FREE download of MSN Explorer at <http://explorer.msn.com/intl.asp>

Date: Sun, 21 Oct 2001 14:43:49 -0500
From: Wayne Rogers <w5kdj@juno.com>
To: qrp-l@lehigh.edu
Subject: [109180] CODE PRACTICE
Message-ID: <20011021.144349.-327841.2.w5kdj@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

For those that would like to increase their code speed you can get all speeds over the Internet from ARRL.
It is in MP3 format but it will probably play on just about any sound card player. You can also download the files and play off the net if you wish.

W5kdj - Wayne
Spring, Texas

<http://www.arrl.org/w1aw/morse.html>

Date: Sun, 21 Oct 2001 14:52:02 -0500

From: "T.E. 'Doc' Drake - W5TB" <w5tb@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [109181] Ten Tec Scout Question
Message-ID: <019101c15a69\$da880de0\$0200a8c0@alt1n1.tx.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

I am in the process of reconvertng a Ten Tec Scout from QRp to QRO (so =
I can sell it to a non believer, not operate ;-) and have question on =
the location on the main circuit board to reconnect the red and white =
Tline wires from the PA. It looks as they go right "above" connector 55 =
with the red to the larger to two pads (closest to connector 55) and the =
white to the smaller pad just "above" that.

=20

Anyone out there with a Scout who could verify this for me so I don't =
let all the smoke out of the final transistors? Thanks!

=20

73, T.E. 'Doc' Drake, W5TB
Arlington, Texas

FISTS # 5365 QRPARCI # 3532 ARRL Life Member K1 #181 K2#1617

Date: Sun, 21 Oct 2001 15:51:57 -0400
From: "Ed Tanton" <n4xy@att.net>
To: "'Low Power Amateur Radio Discussion'" <qrp-l@Lehigh.EDU>
Subject: [109182] FW: Geomagnetic Activity Alert
Message-ID: <001201c15a69\$d822cdb0\$650b4d0c@n4xy>
MIME-Version: 1.0
Content-Type: text/plain;
charset="us-ascii"
Content-Transfer-Encoding: 7bit

72/73 Ed Tanton N4XY <n4xy@arrl.net>

Ed Tanton N4XY
189 Pioneer Trail
Marietta, GA 30068-3466

website: <http://www.n4xy.com>

All emails <IN> & <OUT> checked by
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SEDXC NCDXA GACW QRP-ARCI
OK-QRP QRP-L #758 K2 (FT) #00057

-----Original Message-----

From: SpaceWeather.com [mailto:spaceweather@lists.spaceweather.com]
Sent: Sunday, October 21, 2001 3:14 PM
To: SpaceWeather.com
Subject: Geomagnetic Activity Alert

Space Weather News for October 21, 2001 <http://www.spaceweather.com>

AURORAS: An interplanetary shock wave, spawned by a solar explosion last Friday, swept past Earth on October 21st at approximately 1645 UT. A geomagnetic storm is underway, and sky watchers (especially those living at high latitudes) should remain alert for auroras. Usually the best time to spot Northern (or Southern) Lights is around local midnight.

The solar wind shock wave that buffeted Earth's magnetosphere today could be just the first of two heading for our planet. If so, the ongoing storm could intensify when the second arrives later today (Oct. 21) or tomorrow (Oct 22).

METEORS: North American observers spotted 10 to 20 Orionid meteors per hour before dawn on Sunday, Oct. 21st -- a typical Orionid maximum. The shower is not finished, though. Early risers who venture outdoors under dark, clear skies between 3 a.m. and sunrise on Monday, Oct 22nd, will likely count another 5-to-15 shooting stars per hour.

Date: Sun, 21 Oct 2001 16:02:31 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <kandrparker@sympatico.ca>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [109183] Re: Dollar Store Treasure
Message-ID: <002d01c15a6b\$680f05a0\$0600a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

While it's not the same thing, it's not totally different either...

You can find some small wooden boxes in a lot of craft stores.

Want to make a really neat looking nostalgic/retro radio project?
Just use one of the small 'craft' wooden boxes. Sand it and stain
it and you'd be AMAZED at how '1930s' your project now looks.

Mike

Date: Sun, 21 Oct 2001 13:37:36 -0700
From: "Tom Scott" <tomrscott@sterlink.net>
To: "'qrp-l Reflector'" <qrp-l@Lehigh.EDU>
Subject: [109184] OT: Macintosh license software
Message-ID: <000e01c15a70\$38e12240\$03010a0a@mhl1t70164>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I am not a Macintosh user myself, but I teach a QRP-centered Amateur Radio & Electronics class and find that a small percentage of my students have Macintosh computers at home rather than PCs.

To that end I am looking for Macintosh study software that will allow the student to drill on the entire question pool for one of the ten sections of the test at a time, preferably returning a percentage score for each session of study. The W5YI Group's license exam study software for PCs works that way and we have had very good success with that process.

The W5YI software also gives an explanation for the correct answer anytime you answer incorrectly, so it is not only practice, but also instruction. The process I encourage a student to use is to drill themselves on the complete question pool for one of the ten sections at a time keeping track of their score for each session in a spreadsheet and then repeating whichever section they've receive the lowest score on until all sections are well above a passing score. Using this technique, I have never had a student require more than a few repeats of any one section before they are getting adequate scores on the entire question pool. I've found that study from sample tests wastes time on questions from sections that do not require as much study, and risks inadequate study of other questions that pose more difficulty. Different students invariably find that some sections are more difficult than others depending on their background. This study method seems to really optimize the time invested.

If you know of Macintosh software that works this way, or could easily

create some, we would be very interested.

Thanks and 73!

- Tom Scott, Field Applications Engineering

_/ _/ _/ _/ _/ _/ _/ _/ _/ _/ _/

Arrow Electronics

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KD7DMH

_/ _/ _/ _/ _/ _/ _/ _/ _/ _/ _/

Date: Sun, 21 Oct 2001 16:56:11 -0400

From: "Jim Stamper" <jstamper@shentel.net>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [109185] Re: DX with Mediocre Antenna

Message-ID: <002001c15a72\$d0be7980\$b23e6fcc@jstamper>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

As a matter of fact I did run QRP on six meters in 1956. I was K4JCY then. On the 80 meter novice band (3700-3750 kc) I used an ARC-5 conversion and a Hallicrafters S-38, a receiver that was more of a handicap than <5 from a transmitter. But since I couldn't afford a meter I have no idea what the power was from the ARC-5. Tuned it up with a 100 W. incandescent bulb as a dummy load to a sort of dull orange glow.

Thanks for asking.

jim-

KG4LDY

----- Original Message -----

From: "Bruce Muscolino" <w6toy@erols.com>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Sunday, October 21, 2001 8:31 AM

Subject: Re: DX with Mediocre Antenna

> Well now, thank you for catching the typo. It should have said 1995.
> However, since I have been licensed since 1956, I guess the OT part is
> true. I ran QRP in 1957! Did you?
>
> 73
>

Date: Sun, 21 Oct 2001 14:12:05 -0700 (PDT)
From: Shawn Upton <kb1ckct@yahoo.com>
To: qrp-l@Lehigh.EDU
Subject: [109186] Working with vaccum tubes
Message-ID: <20011021211205.81172.qmail@web10106.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

I picked up a second S-38 this weekend, and I think I will give a good try and to make one good reciever. (I have two S-38's--one with a pitted cabinet and working poorly; the second one is missing at least one tube and is painted green.) But, a quick couple of questions, as this ain't the usual 12V or less low power stuff.

The plug does not appear to be polarized. B- is one of the power plug contacts, and is tied to the chassi through a 470k resistor parallel with a .05u cap. Clipping a scope ground (or even touching the chasss) should be ok, right?

Voltages are measured at 20k ohms per volt; AC at 1k per volt. I recall seeing something about this in college; I'm assuming that since I will use a high input impedance dmm to measure stuff, I don't have to worry about this.

Lastly, what's a diode drop in the tube world? For a silicon diode, it is about .6 volts (.7 if run hard), .3-.5 volts for schotkey; but for the rectifier tube (or any vaccum tube diode), what is the value? I spent a couple of hours poking around with the books, but I didn't see anything about it.

Thanks

KB1CKT
Shawn Upton
Pembroke, NH

Date: Sun, 21 Oct 2001 17:25:25 -0400
From: "Jim Stamper" <jstamper@shentel.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [109187] Re: Dollar Store Treasure
Message-ID: <007201c15a76\$e67ee080\$b23e6fcc@jstamper>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The small cans Crisco comes in are good too. Reminds me of the 1930's tube equivalent of the Tuna Tin 2, the old coffee can (two tube) rigs. I suspect they must have been DeMaw's inspiration. Those coffee cans were short, however, and don't seem to be available any more. Modern coffee cans are too tall to work in unless you have tiny hands.

jim-
KG4LDY

----- Original Message -----
From: "Mike Yetsko" <myetsko@insydesw.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Sunday, October 21, 2001 4:02 PM
Subject: Re: Dollar Store Treasure

> While it's not the same thing, it's not totally different either...
>
> You can find some small wooden boxes in a lot of craft stores.
>
> Want to make a really neat looking nostalgic/retro radio project?
> Just use one of the small 'craft' wooden boxes. Sand it and stain
> it and you'd be AMAZED at how '1930s' your project now looks.
>
> Mike
>

Date: Sun, 21 Oct 2001 17:29:20 EDT

From: n5ib@juno.com
To: kd1jv@moose.ncia.net, qrp-1@Lehigh.edu
Subject: [109188] Re: Improving Wabler Rx sensitivity
Message-ID: <20011021.162736.11215.1.n5ib@juno.com>

On Sun, 21 Oct 2001 12:53:10 +0000 "Steven Weber" <kd1jv@moose.ncia.net> writes:

>The "stock" Wablers' tend to be a little *deaf* on receive.
>A simple way to greatly improve the Rx sensitivity is to tack a .001
>upd cap across R17, the RF preamp emitter resistor.

Thanks to Steve for the heads-up on this. I just finished replacing R17 with a 500 ohm pot PC mount pot with a the .001 cap (surface mount part) from wiper to ground. So now I have an rf gain control. Works FB.

I'll be lurking around 3580-3581 tonight after 0200Z

72
Jim N5IB

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Date: Sun, 21 Oct 2001 17:25:20 -0400
From: Rick McKee <kc8aon@juno.com>
To: qrp-1@Lehigh.EDU
Subject: [109189] Re: Question on TiCK-4 Keyer
Message-ID: <20011021.173847.12350.0.kc8aon@juno.com>

My Tick 2 sends the letter "B" on power up !

73.....KC8AON

On Sun, 21 Oct 2001 12:21:58 -0400 "John J. McDonough" <wb8rcr@arrl.net> writes:

>The correct response is 4. Each of these chips sends the version
>number on
>power up. The TiCK 2 sends a 2.
>
> S - Speed
> T - Tune
> A - Admin
> K - Keyer Mode

>
>If you release the button after the A, next time you push it you will
>get
>
>I - Input memory
>P - Paddle select
>A - Audio
>SK - Straight Key
>M - Mode (A/B)
>B - Beacon
>
>On the TiCk 4, if you release the button after the I, next time you
>will get
>an e or i for memory 1 or 2.
>
>In most cases, releasing the button puts the keyer in a mode where you
>make
>a selection with the paddle.
>
>S - dit decreases, dah increases
>T - Keeps key down until you touch the paddle
>P - hit the side you want to be dit
>A - dit enables sidetone, dah disables
>SK - either side toggles
>M - dit = A, dah = B
>B - toggles
>
>Hope this helps
>72/73 de WB8RCR <http://members.home.com/wb8rcr/index.htm>
>didileydadidah QRP-L #1446 Code Warriors #35
>
>
>----- Original Message -----
>From: <KF4YYD@aol.com>
>Subject: Question on TiCk-4 Keyer
>
>
>> I'm not getting this output and am wondering if this indicates
>a
>> possible dead battery? When I connect a 9 volt to the unit it sends
>the
>> number 4, and if I hold the mode push button it sends in order the
>letters
>> (S, T, A, & K), which leads me to believe it is wired properly. Also
>does
>> anyone have the data sheet which describes what these 4 modes are?
>After
>> sitting partially constructed for at least a year (probably closer

>to 1.5)
>> and with my organizational skills I'm not surprised that I cannot
>locate
>it.
>
>

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Date: Sun, 21 Oct 2001 14:47:28 -0700 (PDT)
From: Tom Popovic <ki3r@yahoo.com>
To: k5di@zianet.com,
Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [109190] Re: Electrically short antenna
Message-ID: <20011021214728.26424.qmail@web11202.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Hello there Karl Well I stayed off of 80 meters for years due to the "if it is short it therefore will not work mentality". This is evidently spread by those who don't want any competition on a given band ...I think. A number of years ago I secured a set of loading coils for 80 meters which allowed me to get on 80 from my 60 by 130 foot lot. They worked fine. I ended up with a full sized 80 meter antenna by cutting the next door neighbors lawn. It was an excellent trade given that he weighed over 300 lbs and "jump-starting" him would have been difficult at best. Big John has since gone to the police station in the sky and the present neighbor and I have the same deal except I just do his front lawn which is quite small. I attach one end of the V to his garage. I cannot really say there was much of a difference between the full sized and electrically shortened antenna. Get some coils or roll your own and enjoy. 73 Tom KI3R
--- "Karl F. Larsen" <k5di@zianet.com> wrote:

>
> I have not heard a wire much shorter than a 1/2
> wavelength on 80
> meters work very well. My experiance with the W3FF
> antenna on 20 meters

> which is very good is with an antenna only 50% as
> long as a 1/2 wave
> dipole.
>
> Has anyone tried a wire 60+ feet long with
> inductors each side of
> the center that make it resonant on 80 meters? How
> did/does it work? I
> would like any information you have on this specific
> subject.
>
> Many Hams can get up 60 feet of wire. But 130 feet
> is just out of
> the question.
>
> --
> Yours Truly,
>
> - Karl F. Larsen, k5di@arrl.net (505) 524-3303
> -
> <http://www.qsl.net/k5di/>
>

=====

The common good was the claim and justification of every
tyranny ever established over men. Every major horror of
history was committed in the name of altruistic motive...
Actors change, but the course of the tragedy remains the
same. Ayn Rand 1943

Do You Yahoo!?
Make a great connection at Yahoo! Personals.
<http://personals.yahoo.com>

Date: Sun, 21 Oct 2001 17:52:13 -0400
From: "carl seyersdahl" <carlseye@tampabay.rr.com>
To: <kb1ckct@yahoo.com>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [109191] Re: Working with vaccum tubes
Message-ID: <008901c15a7a\$a5b99f00\$2e211c18@tampabay.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Shawn: you would be wise to use an isolation transformer on that s-38. these things are the old familiar ac-dc radios of years past. you can get a nasty jolt from the chassis if it's plugged in with the hot side of the line on the chassis. Also you can't depend on any test equipment being safe to connect to either unless you use the isolation xfmr. It would be wise also to put on a polarized plug before you use the receiver, otherwise the same "shocking " situation can occur with other equipment you might be using.!!!
"been there, done that"!!!!

carl / kz5ca

----- Original Message -----

From: "Shawn Upton" <kb1ckt@yahoo.com>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Sunday, October 21, 2001 5:12 PM

Subject: Working with vaccum tubes

> I picked up a second S-38 this weekend, and I think I
> will give a good try and to make one good reciever. (I
> have two S-38's--one with a pitted cabinet and working
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>

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> (or any vaccum tube diode), what is the value? I spent
> a couple of hours poking around with the books, but I
> didn't see anything about it.

>

> Thanks

>

> KB1CKT

> Shawn Upton

> Pembroke, NH
>
>

Date: Sun, 21 Oct 2001 16:01:34 -0600
From: William R Colbert <w5xe@juno.com>
To: qrp-1@lehigh.edu
Subject: [109192] Re: Electrically short antenna
Message-ID: <20011021.160135.-214491.6.w5xe@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

When I operate as V31XE, I use a 60 ft end fed wire from the third floor of the hotel sloping down to a palm tree. I have a counterpoise wire set that is attached to the tuner and that system works very well - best dx was a ZS5 with 4 watts on 30. But on 80 I worked into South America and the southern U.S. with no problems. I also have the W9INN short dipoles which are a total length of 48 feet and work very well 80-10. Coax fed.

Date: Sun, 21 Oct 2001 18:03:50 -0400
From: "carl seyersdahl" <carlseye@tampabay.rr.com>
To: <kb1ckct@yahoo.com>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [109193] Re: Working with vaccum tubes
Message-ID: <009301c15a7c\$44406540\$2e211c18@tampabay.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Shawn: sorry I forgot to mention the other things you asked about. I don't remember the diode drop on a tube type , but if you get around 130 volts dc out of the rectifier you're ok there. If you should need some tubes for that receiver let me know, I have a couple boxes of old tubes and I seem to remember removing some tubes from an old radio before I heaved it in the trash(long time ago). If I can be of help to you let me know. I also have a diagram of that type of radio in an old tube manual.

let me know what I can do for you.

carl / kz5ca

----- Original Message -----

From: "Shawn Upton" <kb1ckct@yahoo.com>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Sunday, October 21, 2001 5:12 PM

Subject: Working with vaccum tubes

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>
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> a couple of hours poking around with the books, but I
> didn't see anything about it.

>
> Thanks
>
> KB1CKT
> Shawn Upton
> Pembroke, NH
>
>

Date: Sun, 21 Oct 2001 17:05:40 -0500

From: "Brice D. Hornback" <bdh@cyberbound.net>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [109194] Help finding a date
Message-ID: <106201c15a7c\$85f8bc80\$7001a8c0@lwrnc1.in.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I'm looking for the publication date of SPRAT #35. If anyone has a copy of it please contact me.

Thanks for your help.

72 / 73 de Brice KA8MAV
Indianapolis, IN EM79au
QRPP-I #1, QRP ARCI #10972, QRP-L #2360,
KLQRP, FPQRP -156, ARS, ARRL

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<http://www.QRPP-I.com>

End of QRP-L Digest 2349

